SONY

VAIO

Display not included.

Sony VAIO® RA Series Digital Studio PC

The premier multimedia desktop PC.

Power for Demanding A/V Applications.

Serial ATA hard drives in RAID 0 configuration deliver incredible hard-drive speeds and accommodate a large collection of high-quality media files. DVD+R Double Layer/ DVD±RW drive provides data storage of up to 8.5GB on one Double Layer DVD disc[3]. PCI Express Video graphics capabilities enable cinematic-quality effects and color.

Television at your Fingertips.

Enjoy the quality TV viewing experience that you've come to expect from Sony. Watch and record your favorite shows with Microsoft® Windows® XP Media Center Edition 2005 enhanced by Sony's Giga Pocket® engine. It's convenient and easy with on-screen program listings and navigation.

Sony's Professional Tools are in your Hands.

The VAIO® RA Digital Studio Desktop Computer brings Sony's professional audio, video and broadcast expertise directly to your desktop. Create, manage, edit and archive video, music and photos just like a Pro. Capture and edit high-definition camcorder video. Convert VHS or 8mm videos into high-quality DVDs[3].

Advanced Cooling and Acoustic Technology.

The innovative liquid-cooling system and advanced noise-reduction technology ensures premier performance without the heat or noise of traditional PCs. A unique liquid-flow heat pipe draws heat away from the processor, while air intake from the desktop tower's mid-section maximizes air flow and optimizes acoustics.

VGC-RA920G CTO Desktop

The Sony VAIO® RA Series exemplifies cutting edge design and superior performance - A sleek black chassis with a revolutionary liquid heat pipe cooling system, spectacular acoustic presence and breakneck performance. Topped off with loads of expansion headroom to take your VAIO® PC experience wherever your passion leads you.

Model
VGC-RA920G CTO

HARDWARE

Processor (Configurable)
Intel® Pentium® 4 Processor 570 with Hyper-Threading Technology (3.80GHz[1], 1MB L2 Cache)
Intel® Pentium® 4 Processor 560 with Hyper-Threading Technology (3.60GHz[1], 1MB L2 Cache)
Intel® Pentium® 4 Processor 550 with Hyper-Threading Technology (3.40GHz[1], 1MB L2 Cache)
Intel® Pentium® 4 Processor 540 with Hyper-Threading Technology (3.20GHz[1], 1MB L2 Cache)

Front Side Bus Speed
800MHz

Chipset
Intel® 915P

Memory (Configurable)
2GB (512MB X 4)
1GB (512MB X 2)
512MB (256MB X 2)
PC-3200 400MHz DDR
(Expandable to 2GB)

Hard Drive (Configurable)
1.6TB (400GB[2] x 4) 7200rpm SATA
1TB (250GB[2] x 4) 7200rpm SATA
800GB (400GB[2] x 2) 7200rpm SATA
500GB (250GB[2] x 2) 7200rpm SATA
400GB[2] 7200rpm SATA
250GB[2] 7200rpm SATA
200GB[2] 7200rpm SATA
160GB[2] 7200rpm SATA

RAID Support (Configurable)
Supports RAID 0 (default when configured with multiple drives) or non-RAID
(User Configurable)

Graphics (Configurable)
ATI Radeon® X300 (128MB Video Memory),
ATI Radeon® X600XT (256MB Video Memory) or
ATI Radeon® X800XT (256MB Video Memory)

Graphics Interface (Configurable)
TV-Out/ VGA-Out/ DVI-D Out available with ATI Radeon® X300 and ATI Radeon® X600XT graphics
TV-Out/ DVI-I x 2 Out available with ATI Radeon® X800XT graphics
16x PCI Express
Giga Pocket® MPEG2 Realtime Encoder board with TV Tuner

DVD+R Double Layer / DVD±RW Drive[3]
Double Layer +R
DVD+R write (2.4x MAX)
DVD±RW[3]
-RW
DVD-R write (8x MAX), DVD-RW write (4x MAX)
+RW
DVD+R write (16x MAX), DVD+RW write (4x MAX)
CD-RW
CD-R write (32x MAX), CD-RW write (24x MAX)

Optical Drive #2 (Configurable)
DVD-ROM
DVD-ROM Read (16x MAX), CD-ROM Read (40x MAX)
or none

Floppy Disk Drive
3.5" 1.44MB Floppy Disk Drive
(Drive not available when configured with 4 hard drives.)

Audio
5.1 Channel - Intel® High Definition Audio

Ethernet
10Base-T/100Base-TX/1000Base-T Fast Ethernet (RJ-45)

Modem
V.90 compatible data/fax modem (RJ-11)

Expansion Slots
Multi-Media Card Reader[5] (Memory Stick®, Memory Stick PRO/Duo™, Compact Flash® Type I andType II, SD/ MultiMediaCard™, xD Picture Card®)
One x16 PCI Express (occupied by Graphics Card)
Two PCI (one available)
One PCI Express x1 (occupied)

Expansion Bays
Two 5.25" Half-Height (occupied)
One External 3.5" (occupied)
Three Internal 3.5" (two occupied)
(Four 3.5" SATA Hard Drives can be accomodated if Floppy Drive is removed.)

Port Connections
Seven USB 2.0 (three front/four rear)
Two PS/2® (Mouse/Keyboard)
One VGA/DVI Monitor Out Port
One TV Out Port
One S/PDIF Out / One Parallel Port
One 6pin i.LINK®[4] Port (rear)/ One 4pin (front)
One Headphone / One Microphone/ One Line In
S-Video: Two Inputs (front and rear)
Composite Video / Audio Inputs (front and rear)
Coaxial Input (VHF/UHF)

Power Requirements
364.7 watts max. / 100-240V ~7A (50/60Hz)

Power Management
ACPI 1.0 Compliant

Weight (CPU)
34.17 lbs. (weight is approximate & may vary)

Dimensions (CPU)
7.4"(W) x 15.6"(H) x 15.3"(D)

Supplied Accessories
(Configurable) 5.1 Surround Sound Speakers, 2.1 Surround Sound Speakers, 2.0 Speakers
IR Remote Control and Receiver / IR Blaster
PS/2® Keyboard
PS/2® Optical Mouse

SOFTWARE

Operating System
Microsoft® Windows® Media Center Edition 2005

Sony® Original Software
Click to DVD™ - DVD Creation
SonicStage® Mastering Studio - Audio Mastering & Remastering
PictureGear Studio™ - Digital Photo
DVgate Plus™ - Digital Video
SonicStage® - Digital Music
VAIO Media™ - Network File Sharing

Additional Software
Adobe® Premiere® Standard Edition
Microsoft® Works 8.0
Intuit Quicken® 2005 New User Edition (Previous Quicken Users may require additional upgrade.)
InterVideo® WinDVD®
Sonic RecordNow!® 7

Optional Software
Adobe® Photoshop® Album Starter Edition
Adobe® Photoshop® Elements® 2.0
Adobe® Premiere® Professional Edition
Microsoft® Office 2003 60-Day Trial Student/Teacher Edition
Microsoft® Office 2003 60-Day Trial Small Business Edition
Microsoft® Office 2003 Basic, Small Business or Professional Edition

Anti-Virus & Recovery Software
Norton® Internet Security™ 90-Day Subscription
Intermute™ SpySubtract™ 30-Day Subscription
VAIO® Recovery Wizard
VAIO® Help and Support
VAIO® Update

Internet Services
America Online® 90-Day Trial - For new users only

SERVICE AND WARRANTY INFORMATION

Limited Warranty and Onsite Service (Configurable)
1 or 3 Year Limited Warranty with Onsite Service[6]

Telephone Support
1 Year toll-free technical telephone assistance, available 24/7[7].

On-line Support
Support available from http://www.sony.com/pcsupport

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. DVD Media/Formats are not universally compatible.
4. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
5. Does not support Memory Stick media and Memory Stick PRO media using the MagicGate function. Tested to support Memory Stick PRO media for up to 1GB. Does not support 5.0V SmartMedia media or the ID function of SmartMedia media with IDs. Does not support the SD Memory Card media copyright protection function.
6. When available. Sony will provide Onsite Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite Service will be provided via thrid-party technician to be dispatched as needed following phone-base trouble-shooting. Some repairs may be accomplished with self repair kits. Onsite Service may not be available in all locations.
7. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware option except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of non-Sony products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Some pre-installed software titles may not include full documentation. Software titles pre-installed on the Sony Desktop Computer are subject to change without notice. Simulated graphic shown on display.

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